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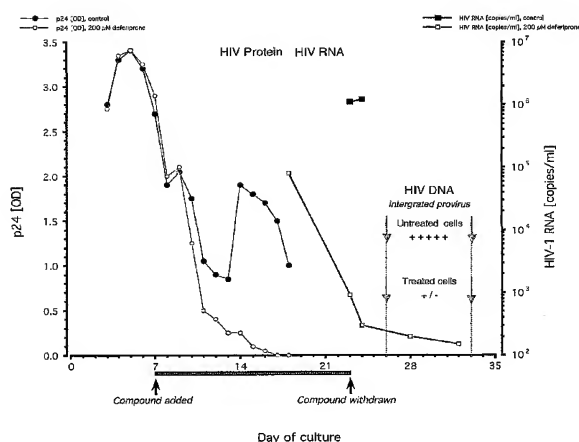
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(54) Title: METHOD OF PREVENTING SURVIVAL OF RETROVIRALLY CELLS AND OF INHIBITING FORMATION OF INFECTIOUS RETROVIRUSES



(57) Abstract: The present invention discloses compounds and pharmaceutical compositions which are highly effective at inhibiting the accumulation of spliced and unspliced viral transcripts and their utilization for viral protein synthesis at cellular ribosomes, and at inhibiting the formation of the hypusine residue in cellular eIF-5A precursor proteins, the cellular cofactors that render spliced and unspliced viral transcripts translatable at the ribosomes of infected cells. The invention further relates to methods of using such compounds and pharmaceutical compositions therefrom for inhibiting or preventing viral protein synthesis. Such inhibition causes a dose-dependent release from the virally induced arrest of the otherwise genetically preprogrammed apoptosis of virally infected cells, and in consequence, triggers their apoptotic ablation and the eradication of the chronic infection-mediating provirus integrated into their genome.



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